College of Natural Resources
Parks, Recreation and Tourism Management

cnr.ncsu.edu/prtm

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Subject: Ph.D. Assistantship in Outdoor Recreation Decision Support Systems at NC State

Aaron Hipp, PhD, and Bill Slocumb, MS, at NC State University seek a creative, motivated Ph.D. student with strong webGIS skills to join a team developing and deploying geospatial decision support systems to support the sustainable management of public trust lands throughout the United States.

The student will assist with research related to developing and evaluating new methods in the application of geospatial analysis for the Conservation and Outdoor Recreation (COR) Branch of the National Park Service (NPS). This includes: 1) maintaining the Rivers and Trails Conservation Assistance Program web mapping applications; 2) maintaining a workplan for system migration; 3) incorporating additional COR Branch program data into the COR Enterprise database instance; and 4) developing new web mapping applications for the newly incorporated programs.

The position will begin Fall 2018 and is funded for four years at $25,000/year, plus benefits and tuition support, through the cutting-edge Ph.D. program in Geospatial Analytics offered by NC State's Center for Geospatial Analytics (geospatial.ncsu.edu).

The selected applicant will join a research group focused on built environments and active living. Additional related opportunities include working with millions of images of outdoor spaces and furthering machine learning and 3-D kernel density representations of human use in these spaces. The combination and analysis of human-worn GPS and accelerometer data is also of interest. The student will be encouraged develop research questions related to the above as tailored to their own interests and career goals.

The Center for Geospatial Analytics is an internationally recognized collaborative hub for interdisciplinary data scientists advancing novel understanding of spatial phenomena and applying new knowledge to grand challenges. Students in the Ph.D. program receive multidisciplinary advising and the opportunity to work with over twenty faculty fellows with diverse expertise from nearly a dozen departments across NC State. Students also engage in experiential learning through an off-campus professional internship.

Review of applications will begin immediately and continue until the position is filled. To apply, complete the application at grad.ncsu.edu/apply. Applicants should hold a Master's degree, or hold equivalent experience. Competitive candidates will be proficient in geospatial data management.

For more information about the position, contact Dr. Hipp (jahipp@ncsu.edu). Please include a copy of your CV. Additional details about the Ph.D. program in Geospatial Analytics and complete application instructions are available at go.ncsu.edu/geospatial-phd. Interested students are also encouraged to contact Rachel Kasten, Graduate Services Coordinator (rachelkasten@ncsu.edu or 919-515-2800), with questions about the program or to explore additional opportunities.

Thank you,

J. Aaron Hipp
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Associate Professor of Community Health and Sustainability
Faculty Fellow, Center for Geospatial Analytics
Fellow, Center for Human Health and the Environment